



Educational Product

Educators	Grades K-12
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EP-2004-12-20-LARC

NASA LIVE™ (Learning through Interactive Videoconferencing Experiences) is a FREE videoconferencing program that uses a virtual interactive learning environment as the basis for linking NASA with the K-12 community and for developing NASA and professional development opportunities. Through the power of computer and telecommunications technology, NASA LIVE™ also serves as a knowledge network creating opportunities for educators and students to become a part of NASA's Vision for Exploration and Discovery.

Use the Power of Technology to Make the NASA Connection

Give your students the opportunity to expand their knowledge of STEM. Participate in a series of special videoconferencing events related to NASA's award-winning instructional television series – the NASA SCIENCE Files™ and NASA CONNECT™. Allow your students to discover, explore, learn, and enjoy the wonderful world of NASA!!

Students must have viewed the NASA SCI Files™ broadcast or NASA CONNECT™ prior to participating. To register for an event and additional information, visit <http://live.larc.nasa.gov>.

To begin, ACCESS the NASA LIVE™ web site at <http://live.larc.nasa.gov>

SELECT your topic from the list of available program topics.

COMPLETE the on-line registration form.

Technology Requirements

- ISDN Lines (H.320)
- IP Lines (H.323)
- Tandberg/Polycom type system
- Connectivity Rate: 128-768 kbps

NASA LIVE™ Video Streaming

NASA LIVE™ and Apple Learning Interchange (ALI)™ have partnered to provide educators, parents and students the opportunity to view archived NASA LIVE™ events anytime, all the time. For more information, visit the NASA LIVE™ web site or the ALI web site at <http://ali.apple.com>

Register online at <http://live.larc.nasa.gov> to receive a FREE PDF of the NASA SCI Files™ and NASA CONNECT™ educator guides and program updates via e-mail.

Katrina L. Young
NASA LIVE™ Program Manager
phone: 757.864.3868
fax: 757.864.6521
email: katrina.l.young@nasa.gov

READY for a Virtual Field Trip?

Biomimetic Flight: Learning from Nature

Description: From Leonardo da Vinci's early drawings, the Wright Brother's historical accomplishment to present-day aeronautical wonders, man has been intrigued by the ability to fly. Explore how NASA engineers and scientists study insects and birds to improve human-powered flight.

Recommended Audience: 3-12

Math Standards: Communication, Representation, Measurement

Science Standards: Science as Inquiry, Life Science, Earth and Space Science, Science and Technology, Technological Design, Science in Personal and Social Perspectives

ISTE Technology Standards: Social, ethical, and human issues, technology communication tools

ITEA Technology Standards: Nature of Technology, Technology and Society, Design, Designed World

NASA Research: Blended Wing Body, Biomimetics

Career Choices: Apply Here

Description: What do you want to be when you grow up? Learn what NASA researchers, engineers, and scientists do and about related professional opportunities. Careers requiring math, science, and technology can be "out of this world."

Recommended Audience: K-12

Math Standards: Communication, Representation, Connections

Science Standards: Earth and Space Science, Science in Personal and Social Perspectives, History and Nature of Science, Science and Technology

ISTE Technology Standards: Social, ethical, and human issues, technology communication tools

ITEA Technology Standards: Nature of Technology, Technology and Society, Designed World

NASA Research: Aeronautics and Aerospace related research

Space Exploration: Journey to Mars

Description: Why is NASA interested in sending spacecrafts to the Red Planet? Does water exist on Mars? Find the answer to these questions and others as NASA plans to travel to Mars in the coming decade.

Recommended Audience: 3-12

Math Standards: Communication, Problem Solving, Geometry, Connections, Representation
Science Standards: Earth and Space Science, Physical Science, Science and Technology, Science in Personal and Social Perspectives, Science as Inquiry

ISTE Technology Standards: Social, ethical, and human issues, Technology communication tools, Technology research tools

ITEA Technology Standards: Nature of Technology, Technology and Society, Designed World, Design

NASA Research: Aerobraking, Mars Exploration Rovers, Space Exploration

Satellites: Tracking Weather to Your Front Door

Description: Explore how NASA uses weather satellites to investigate Earth's climate, clouds, and global warming. In the process, learn about weather satellites and view some of the latest satellite data.

Recommended Audience: 3-12

Math Standards: Geometry, Communication, Connections, Representation, Measurement, Data Analysis
Science Standards: Earth and Space Science, Physical Science, Science and Technology, Science in Personal and Social Perspectives, History and Nature of Science

ISTE Technology Standards: Social, ethical, and human issues, Technology communication tools, Technology research tools

ITEA Technology Standards: Nature of Technology, Technology and Society, Designed World, Design

NASA Research: GIFTS, the Earth Observing System, Aqua, and TERRA

Model Making: Yes, It Takes Math

Description: Did you know that the airplane flying in the sky was a model airplane first? Learn how NASA engineers use mathematics, science, and technology to create scale models while exploring how ratios and proportions relate to model making.

Recommended Audience: 6-12

Math Standards: Geometry, Measurement, Communication, Connections, Representation

Science Standards: Science as Inquiry, Earth and Space Science, Science and Technology, Science in Personal and Social Perspectives, History and Nature of Science

ISTE Technology Standards: Social, ethical, and human issues, technology communication tools, technology research tools

ITEA Technology Standards: Nature of Technology, Technology and Society, Design, the Designed World

NASA Research: Aeronautics, Blended Wing Body, Fabrication

Tell us what you need!

Can't find a topic to meet your instructional or professional development needs?

Request a virtual field trip just for your students and staff.

Send your request to:

dllcenter+mail@larc.nasa.gov

